

ARROWOOD, INCORPORATED

ENGINEERING — SURVEYING

P. O. BOX 433

CHAMBERSBURG, PENNSYLVANIA 17201

PHONE 263-8794

Sewerage, Drainage, Sewage
& Industrial Wastes Treatment
Water Supply & Water Treatment
Refuse Disposal
Reports & Appraisal

Planning & Zoning
Roads & Streets
Municipal Engineering
Surveying & Estimating

April 11, 1977

Mr. Terry Fabian
Water Quality Management
1002 Health and Welfare Building
Room 1003
Harrisburg, Pennsylvania 17120

Re: Hamilton Township Municipal
Authority
Sewerage System

Dear Mr. Fabian:

In accordance with the request of E.P.A. in a conference in Philadelphia on March 22, 1977, we are enclosing four (4) copies of the following:

1. Map of the Chambersburg Area System showing areas where development may occur.
2. Population projection for Chambersburg Area System.
3. Design populations for pumping stations.

Very Truly Yours
ARROWOOD, INCORPORATED


Bowman Stevens, P.E.

BS/pb

cc: Hamilton Township Municipal Authority
Hamilton Township Board of Supervisors

DER
Water Quality Management

APR 12 1977

HARRISBURG REGION

ARROWOOD, INCORPORATED
Post Office Box 433
CHAMBERSBURG, PENNSYLVANIA 17201
(717) 263-8794

JOB HTMI Design Pop. for
SHEET NO. Pumping Stations
CALCULATED BY Stevens DATE 3/30/77
CHECKED BY _____ DATE _____
SCALE _____

Sta.	Location	Population		Cap. gpm	Pipe Dia.	Main Length	Heads		
		Initial	Design Year				Static	H _r	T.D.H.
1	Rocky Springs	231	750 1993	680	8" { 10"	9832' { 4366'	195.33'	48.67'	244.0'
2	Fortna	112	312 1993	530	8" { 10"	7712' { 4366'	189.58'	58.42'	248.0'
3	Cradelstown	86	539 1993	160	6"	3401'	119.47'	25.0'	144.47'
4	Martin	690	940 1993	390	6"	6828'	169.35'	80.65'	250.0'
5	Mooney	449	952 1993	260	6"	4786'	157.08'	29.92'	184.0'

DER
Water Quality Management

APR 12 1977

HARRISBURG REGION

ARROWOOD, INCORPORATED
Post Office Box 433
CHAMBERSBURG, PENNSYLVANIA 17201
(717) 263-8794

HAMILTON TOWNSHIP MUNICIPAL AUTHORITY
FLOW PROJECTION SCALE

JOB HAMILTON TWP. - PHASE II
SHEET NO. _____ OF _____
CALCULATED BY Stevens DATE 9/15/76
CHECKED BY _____ DATE _____

CHAMBERSBURG BASIN

	<u>EDU's</u>	<u>POPULATION</u>
<u>Commerce St. Connection</u>		
Letterkenny Twp.	74	259
Hamilton Twp.	<u>518.5</u>	<u>1815</u>
	592.5	2074
<u>Loudon St. Connection</u>	<u>673.</u>	<u>2356</u>
<u>Total</u>	1265.5*	4430**

* Actual Count

** 3.5 times EDU's.

3/23/77 - Plus 85 EDU's built since house count - Total = 1350.5 EDU's
Pop = 4725

POPULATION PROJECTION FROM PEF

	<u>1976</u>	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2010</u>	<u>2020</u>
POPULATION						
(Project Area)	4430	4830	5555	7002	—	8448
Q(100 gpcd)	0.443 MGD	0.483	0.556	0.70	—	0.845
Q(60 gpcd)	0.266 MGD	0.290	0.333	0.420	—	0.507

STRAIGHT LINE POPULATION PROJECTION

(Based on 5.8% annual increase - from Census Bureau)

	<u>1976</u>	<u>1980</u>	<u>1990</u>	<u>2000</u>	<u>2010</u>	<u>2020</u>
Population - Twp.	5100	5700	7800	9500	11550	13350
Project Area	4430	4959	6786	8265	10050	11615
(87% Twp. Pop.)						

Q(100 gpcd) { Ham. Twp.	0.443 MGD	0.459	0.679	0.827	1.005	1.162
Q(60 gpcd) { only	0.266 MGD	0.298	0.407	0.496	0.603	0.697
Q(100 gpcd) Ham. Twp. +		0.545	0.750	0.920	1.121	1.299
(60 gpcd) Letterkenny Twp.		0.327	0.450	0.552	0.673	0.779

018
Vice County Management

APR 12 1977

HARZBURG REGION

COMMONWEALTH OF PENNSYLVANIA



DEPARTMENT OF ENVIRONMENTAL RESOURCES

Room 1002 Health & Welfare Building
Harrisburg, Pennsylvania 17120
(717) 787-9665
January 13, 1977

Sewerage
C-420916
Hamilton Township Municipal Authority
Franklin County

Joseph A. Galda
Water Programs Division
U.S. Environmental Protection Agency
Curtis Building
Sixth & Walnut Streets
Philadelphia, Pennsylvania 19106

RECEIVED
WATER PROGRAMS DIVISION

JAN 17 1977

EPA 12

Dear Mr. Galda:

Enclosed are two (2) copies each of a resolution and certification authorizing Harry B. Stouffer, Sr. Vice-Chairman; Garnet B. Dice, Secretary; and Norman Eyer, Treasurer; of the Hamilton Township Municipal Authority to execute all documents in connection with the above project.

Very truly yours,

A handwritten signature in cursive script, reading "William C. Leeper".

William C. Leeper, Chief
Compliance & Administration Section
Harrisburg Regional Office

WCL:BAM:kew

Enclosure

cc: Harry B. Stouffer, Sr. Vice-Chairman
Hamilton Township Municipal Authority
Bowman Stevens, P.E.
Arrowood, Inc.

Part 83

COMMONWEALTH OF PENNSYLVANIA



DEPARTMENT OF ENVIRONMENTAL RESOURCES

1002 Health & Welfare Building
Harrisburg, Pennsylvania 17120

December 28, 1976

RECEIVED
WATER PROGRAMS DIVISION

JAN 10 1977

EPA 13

Sewerage
C-420916
Hamilton Township Municipal Authority
Franklin County

Joseph A. Galda
Water Program Division
U. S. Environmental Protection Agency
6th and Walnut Streets
Philadelphia, Pennsylvania 19106

Dear Mr. Galda:

This will advise you that the sewerage construction project of the above named applicant is approved by the Department of Environmental Resources and IS CERTIFIED for a Federal grant under P. L. 92-500.

We are enclosing two (2) copies each of the certification, application and the following supporting documents applicable to the project:

1. Resolution
2. Payment Schedule
3. Cost Estimate
4. Proposed Operation and Maintenance Costs
5. Compliance Report Form
6. Narrative Statement
7. Assurance of Compliance Form
8. Comments and Recommendations from the Franklin County Planning Commission
9. Comments and Recommendations from the Pennsylvania State Clearinghouse
10. Data Sheet
11. Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 Form
12. User Charge Schedule
13. User Charge Ordinance No. 37 and Amending Ordinance No. 42
14. Industrial Cost Recovery Schedule
15. Statement regarding the adequacy of the receiving sewage treatment plant

16. Amendment to Engineering Agreement and original Engineering Agreement
17. Comments from Thomas R. Kahler on the Facilities Plan
18. Facilities Plan
19. Layout map designating the project for which Federal funding is requested and the establishments in existence on October 18, 1972
20. Statement from the authorized representative certifying that the establishments existed, as shown on the map, on or before October 18, 1972
21. Public Hearing Information
22. Service Agreements
23. Certification of Non-Excessive Infiltration/Inflow

Under separate cover, we are forwarding two (2) sets of plans and specifications which have been stamped with State approval as required by the Rules and Regulations of the Department of Environmental Resources.

The Hamilton Township Municipal Authority has recently named a new authorized representative for this project. A new resolution has been requested and it will be forwarded to you upon receipt.

Very truly yours,



Terry R. Fabian
Regional Water Quality Manager
Harrisburg Regional Office

TRF:BAM:jvl

cc: Harry B. Stouffer, Vice, Chairman
Hamilton Township Municipal Authority
Bowman Stevens, P. E.
Arrowood, Inc.